

Claims

1. A refrigeration system for performing a refrigeration operation in which electric systems of refrigeration system components (2A, 2B, ...) are supplied with electric power from a power supply through a breaker, the refrigeration system comprising:

sequential startup means (91) for, upon operation restart after the breaker trips owing to failure in the electric systems, sequentially starting up target refrigeration system components (2A, 2B, ...) previously selected from among the refrigeration system components; and

failure processing means (92) for, if the breaker trips again owing to failure in the electric systems during the sequential startup of the target refrigeration system components through the sequential startup means (91), excluding the refrigeration system component (2A, 2B, ...) supplied with electric power just before the occurrence of the failure from the target refrigeration system components to be started up by the sequential startup means (91).

2. The refrigeration system of claim 1, further comprising transition means (93) for, when the target refrigeration system components (2A, 2B, ...) to be started up by the sequential startup means (91) are all normally started up, making a transition to a normal operation while holding in a halted state the refrigeration system component (2A, 2B, ...) excluded from the target refrigeration system components by the failure processing means (92).

3. The refrigeration system of claim 1, wherein the target refrigeration system components to be sequentially started up by the sequential startup means (91) are a plurality of compressors (2A, 2B, 2C).

4. The refrigeration system of claim 1, wherein the target refrigeration system components

to be sequentially started up by the sequential startup means (91) are a plurality of compressors (2A, 2B, 2C) and a plurality of fans (F1, F2).